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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/783,185	02/14/2001	Yoichiro Igarashi	FUJO 18.314	2123

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EXAMINER
ISMAIL, SHAWKI SAIF

ART UNIT	PAPER NUMBER
2155	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)
Office Action Summary	09/783,185	IGARASHI ET AL.
	Examiner	Art Unit	
	Shawki S. Ismail	2155	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *10 February 2006*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-15* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-15* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____.

        3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *2/7/2007, 1/13/2006*.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

RESPONSE TO AMENDMENT

1.   This communication is responsive to the Petition to Revive application and

Request for Continued Examination (RCE) received on February 10, 2006.

Claims 1 and 11-15 have been amended.

Claims 1-15 are pending

The references in IDS form 1449 have been considered.

New Grounds of Rejection

3.   Applicants' amendment and arguments with respect to claims 1-15 filed on

October 25, 2005 have beef fully considered but they are deemed to be moot in view of

the new grounds of rejection.

Claim Rejections - 35 USC §102

4.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by
another filed in the United States before the invention by the applicant for patent or (2) a patent
granted on an application for patent by another filed in the United States before the invention by the
applicant for patent, except that an international application filed under the treaty defined in section
351(a) shall have the effects for purposes of this subsection of an application filed in the United States
only if the international application designated the United States and was published under Article 21(2)
of such treaty in the English language.

5.   Claims 1-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Morin et

al., (referred hereinafter as Morin) U.S. Patent No. 6,584,312.

Morin teaches the invention explicitly as claimed including a system and method

for registering mobile devices wit a home agent and updating the device registry an

updates the registry table to reflect roaming of the node from a first HA to a second HA

(see abstract).

6.   As to claim 1, Morin teaches a mobile communications service providing system

in which location registration request information is transmitted from a mobile node to a

home agent via a foreign agent and a server system, and information in reply to the

location registration request information is returned from the home agent to the mobile

node via the server system and the foreign agent, so that a location of the mobile node

is registered to the home agent and the foreign agent, and a mobile communications

service is provided based on the registration, wherein:

the server system comprising:

an extracting unit extracting a service profile corresponding to the mobile node

from a database for managing the first service profile which includes subscriber

information of each user (see fig. 4 and col. 5, lines 1-17, the subscriber profile is

retrieved),

a service managing unit editing the fist service profile extracted by said extracting

unit into a second service profile having a format which includes control information

applied to a packet that the mobile node communicates using a communication path

established after completing of the location registration and the format remaining the

same irrespective to the kind of service provided to a user (see fig. 4 and col. 5 lines 1-

35, the subscriber profile is modified), and

a distributing unit distributing the second service profile to the home agent and

the foreign agent (see fig. 4, col. 5, lines 40-57, the modified subscriber profile is

transmitted), and

the home agent and the foreign agent comprising:

a controlling unit determining transfer destination of a packet according to the

distributed information of the second service profile (see fig. 4, col. 5, lines 40-57), and

the home agent and the foreign agent provide a service by using said controlling

unit according to the service profile distributed from the server system (see fig. 4, col. 5,

lines 40-57).

7.   As to claim 2, Morin teaches the system according to claim 1, wherein

the server system does not distribute a second service profile to the home agent

and the foreign agent, if the mobile node does not request a value-added service, and

the home agent and the foreign agent provide a fundamental service according to

information that the home agent and the foreign agent themselves generate (col. 5,

lines 36-39).

8.   As to claim 3, Morin teaches the system according to claim 1, wherein:

an address range available for a predetermined service is specified beforehand;

a service profile including information representing the address range which is specified

beforehand is set in the home agent and the foreign agent as a condition for extracting

a corresponding packet from among received packets; and the server system assigns

an address within the address range to the mobile node that requests the

predetermined service (see fig. 4 and col. 5 lines 1-35).

9.   As to claim 4, Morin teaches the system according to claim 1, wherein:

the server system includes a home server device which has a right to access the

database in order to extract the first service profile for the mobile node, and a foreign

server device which does not have such an access right (see fig. 4 and col. 5, lines 1-

17); and

the home server device distributes the service second profile to the home agent

and the foreign server device, and the foreign server device forwards the second

service profile to the foreign agent (see fig. 4, col. 5, lines 40-57).

10.   As to claim 5, Morin teaches the system according to claim 1, wherein:

the server system includes a home server device which has a right to access the

database in order to extract the first service profile for the mobile node, and a foreign

server device which does not have such an access right (see fig. 4 and col. 5, lines 1-

17); and

the home server device distributes the second service profile to the foreign

server device, and the foreign server device forwards the second service profile to the

home agent and the foreign agent (see fig. 4, col. 5, lines 40-57).

11.   As to claim 6, Morin teaches the system according to claim 1, wherein:

the server system includes a home server device which has a right to access the

database in order to extract the first service profile for the mobile node, and a foreign

server device which does not have such an access right (see fig. 4 and col. 5, lines 1-

17);

the mobile node notifies the home agent of location registration request information via a second foreign agent when moving from a communication area of a first foreign agent to a communication area of the second foreign agent (see fig. 4, col. 5, lines 40-57);

the home agent updates information for routing a packet so that a packet addressed to the mobile node is transferred to the second foreign agent (see fig. 4, col. 5, lines 40-57); and

the foreign server device distributes the second service profile to the second foreign agent (see fig. 4, col. 5, lines 40-57)

12.   As to claim 7, Morin teaches the system according to claim 1, wherein:

the server system includes a home server device which has a right to access the database in order to extract the first service profile for the mobile node, and first and second foreign server devices which do not have such an access right (see fig. 4 and col. 5, lines 1-17);

the mobile node notifies the home agent of location registration request information via a second foreign agent, the second foreign server device, and the home server device when moving from a communication area of a first foreign agent managed by the first foreign server device to a communication area of the second foreign agent managed by the second foreign server device (see fig. 4 and col. 5 lines 1-35);

the home agent updates information for routing a packet so that a packet addressed to the mobile node is transferred to the second foreign agent (see fig. 4, col. 5, lines 40-57); and

the home server device distributes the second service profile to the second foreign server device, which then forwards the second service profile to the second foreign agent (see fig. 4, col. 5, lines 40-57).

13.   As to claim 8, Morin teaches the system according to claim 1, wherein:

the server system includes a home server device which has a right to access the database in order to extract a first service profile for the mobile node, and first and second foreign server devices which do not have such an access right(see fig. 4 and col. 5 lines 1-17);

the mobile node notifies the home agent of location registration request information via a second foreign agent, the second foreign server device, the home server device, and the first foreign server device when moving from a communication area of a first foreign agent managed by the first foreign server device to a communication area of the second foreign agent managed by the second foreign server device ((see fig. 4 and col. 5, lines 1-35);

the home agent updates information for routing a packet so that a packet addressed to the mobile node is transferred to the second foreign agent (see fig. 4, col. 5, lines 40-57); and

the home server device distributes the service profile to the second foreign server device, which then forwards the service profile to the second foreign agent (see fig. 4, col. 5, lines 40-57).

14.   As to claim 9, Morin teaches the system according to claim 1, wherein:

upon receipt of the packet addressed to the mobile node from a correspondent node, the home agent distributes to the correspondent node a service profile for extracting a packet in which the mobile node is set as a destination (see fig. 4 and col. 5, lines 1-17); and

the correspondent node generates information for transmitting to the foreign agent a packet which is extracted according to the distributed service profile (see fig. 4 and col. 5 lines 1-35).

15.   As to claim 10, Morin teaches the system according to claim 1, wherein

when providing a service for transferring to an arbitrary mobile node among a plurality of mobile nodes a packet with a virtual address assigned to the plurality of mobile nodes as a destination:

an address proxy server receiving the packet with the virtual address is arranged (see fig. 4 and col. 5, lines 1-17); and

the server system distributes to said address proxy server a service profile for extracting the packet with the virtual address is assigned and transferring the extracted packet to the particular mobile node among the plurality of mobile nodes, and also distributes to a foreign agent a service profile for transferring to the particular mobile node a packet addressed to the foreign agent which accommodates the particular mobile node (see fig. 4, col. 5, lines 40-57).

16.   Claims 11-15 do not teach or define any new limitations above claims 1-10, therefore, they are rejected for similar reasons.

Response to Arguments

17.   Applicant's arguments with respect to claim 1-15 have been considered but are
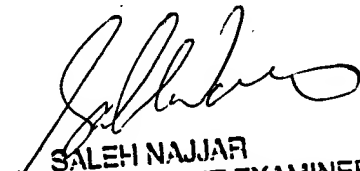
moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Shawki S. Ismail whose telephone number is 571-272-

3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system.   Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail
Patent Examiner
April 12, 2007

SALEH NAJJAR
SUPERVISORY PATENT EXAMINER